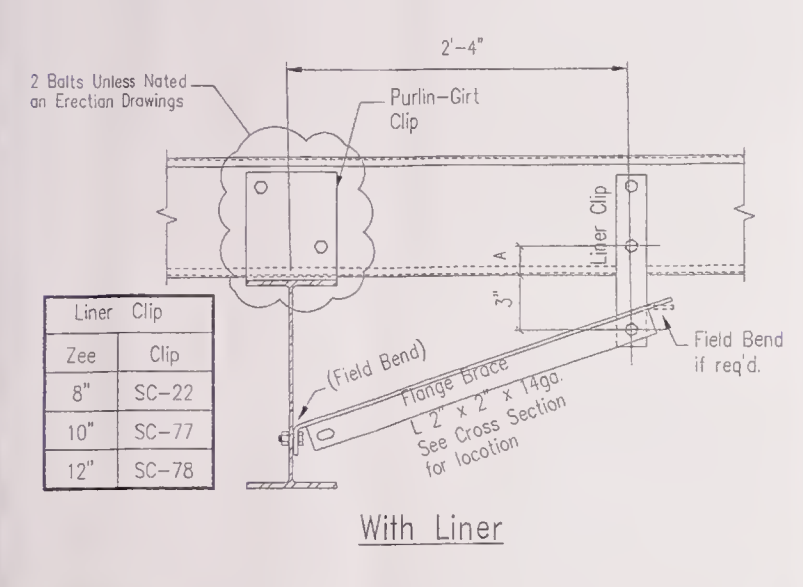
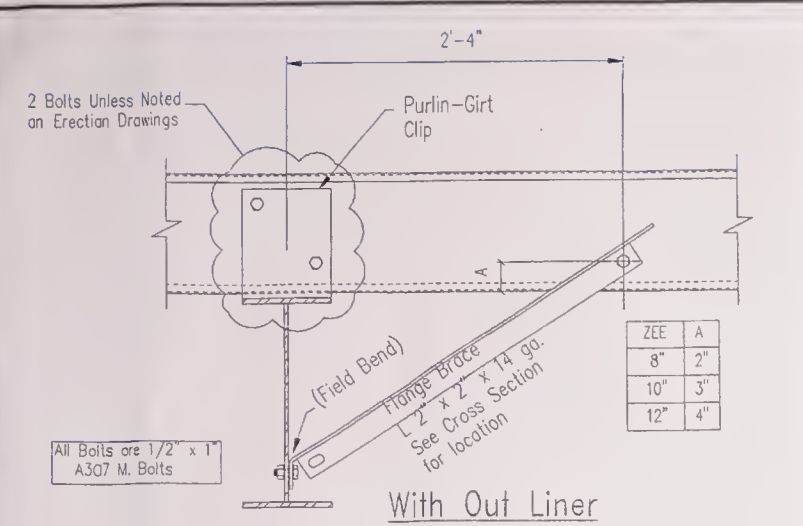
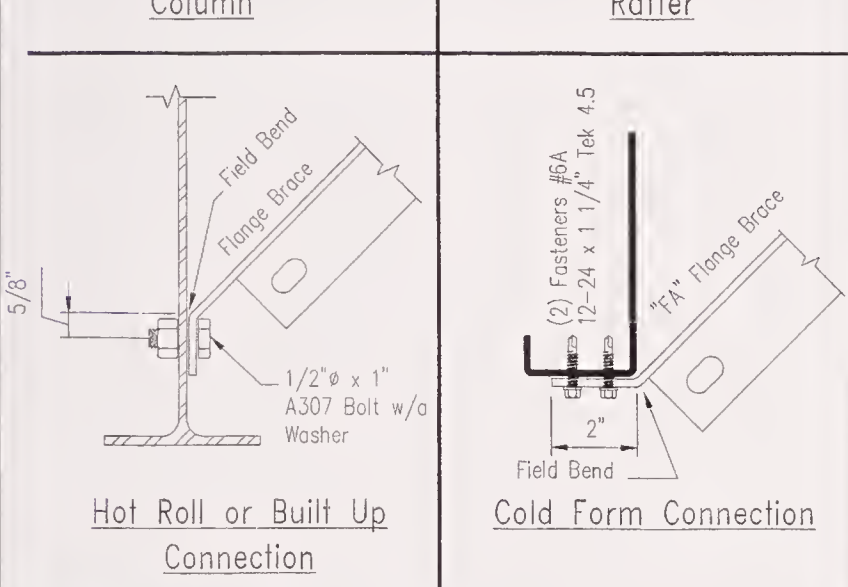
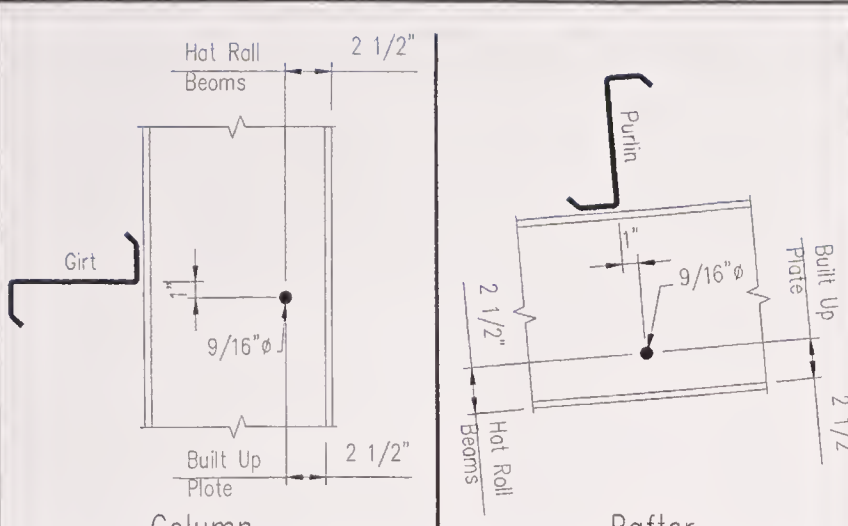




By-Pass Web Bolted Flange Brace Detail



Flange Bracing Web Bolted

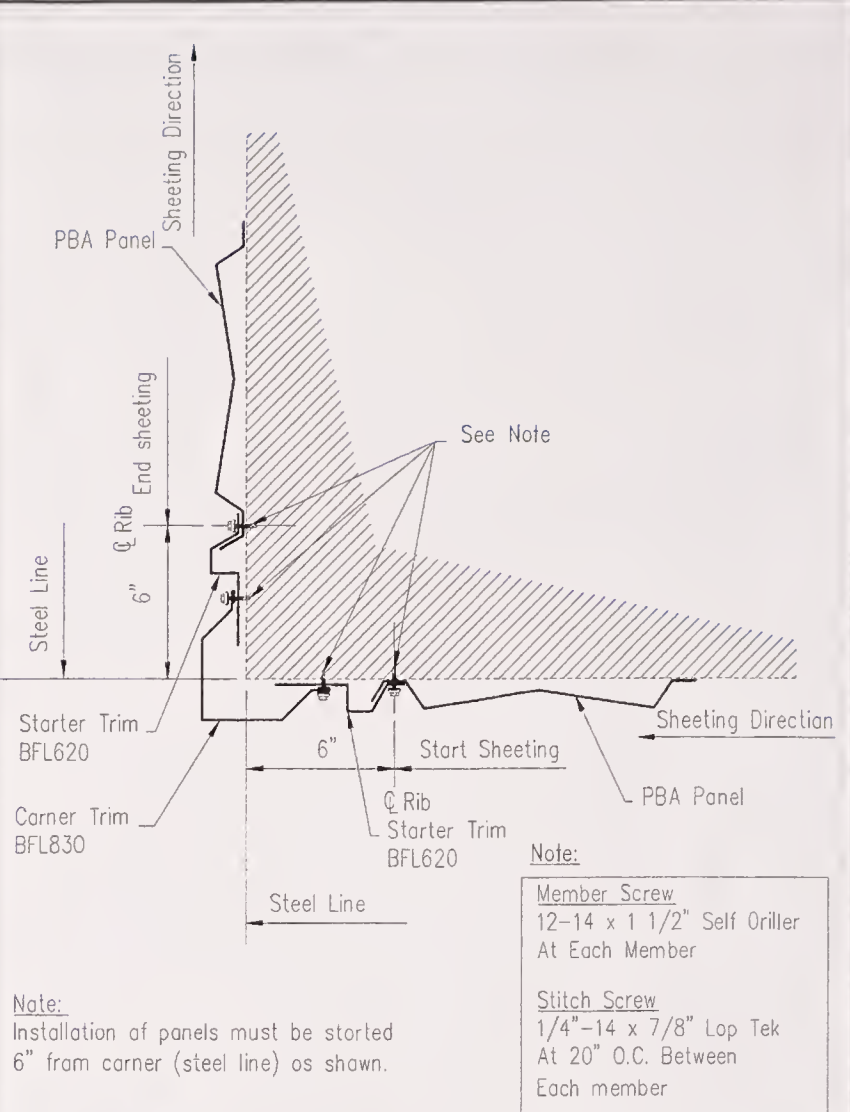
Self-drilling fasteners are designed to drill the material and tap the hole. Material thickness is an important consideration when determining the proper point diameter. The point diameter is described as the point TYPE. Point types are as follows:

TYPE 1: Light gauge application
TYPE 2: Medium light gauge application
TYPE 3: Medium gauge application
TYPE 4: Medium heavy gauge application
TYPE 5: Heavy gauge application

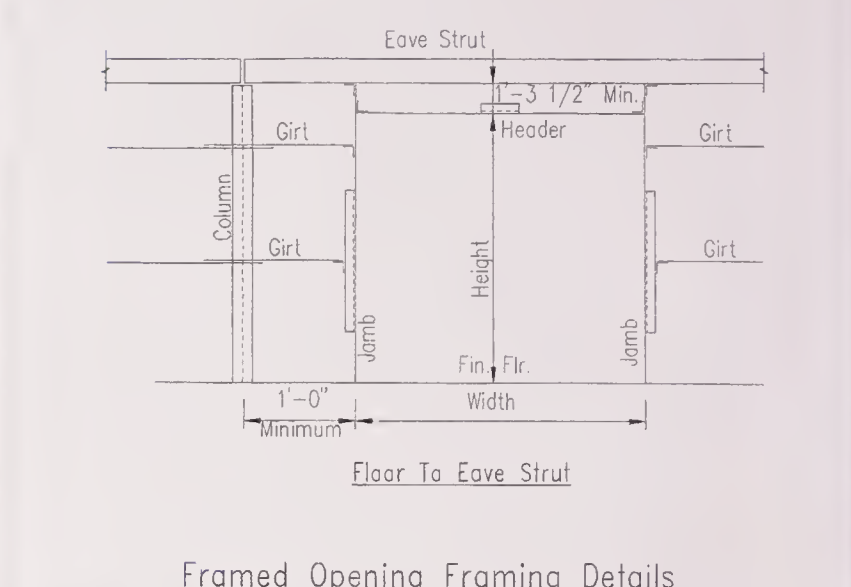
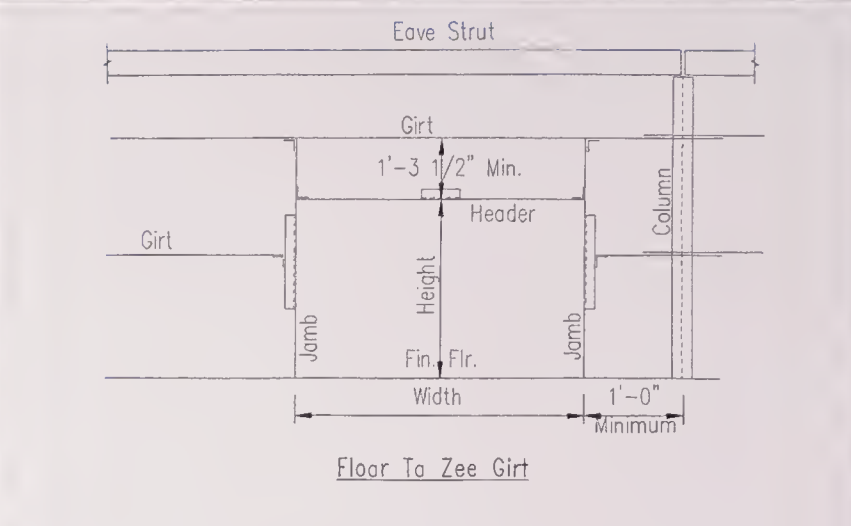
The point diameter allows the threads to tap into the material without excessive force which can break the shank, or very low force which can easily strip-out the material during seating torque. Each point type has a specific FLUTE length which allows the chip to escape from the hole during the drilling operation. Depending on the application, some drill screws require a special PILOT section. The pilot section is the area that is unthreaded on the drill point. The pilot area is important to the performance of the fastener. The reason for the pilot area is so that the drilling of the hole is completed before the threads engage. If the threads engage before the drilling is completed, the drill point will have a tendency to burn because the threads will force the point into the material.

Material Thickness:	Drilling Point Capabilities				
.500					
.312					
.250					
.110					
.098					
Point Type:	Type 1 Light Duty	Type 2 Medium Duty	Type 3 Medium Duty	Type 4 Heavy Duty	Type 5 Heavy Duty
	#10 (.035-.090)	#6 (.035-.098)	#8 (.100-.140)	#12 (.145-.312)	#12 (.250-.500)
	#12 (.035-.090)	#8 (.035-.100)	#10 (.110-.175)		
	1/4" (.035-.090)	#10 (.090-.110)	#12 (.090-.210)		
	#18 (.035-.098)	#12 (.050-.140)	1/4" (.110-.250)		

Self-Drilling Fasteners

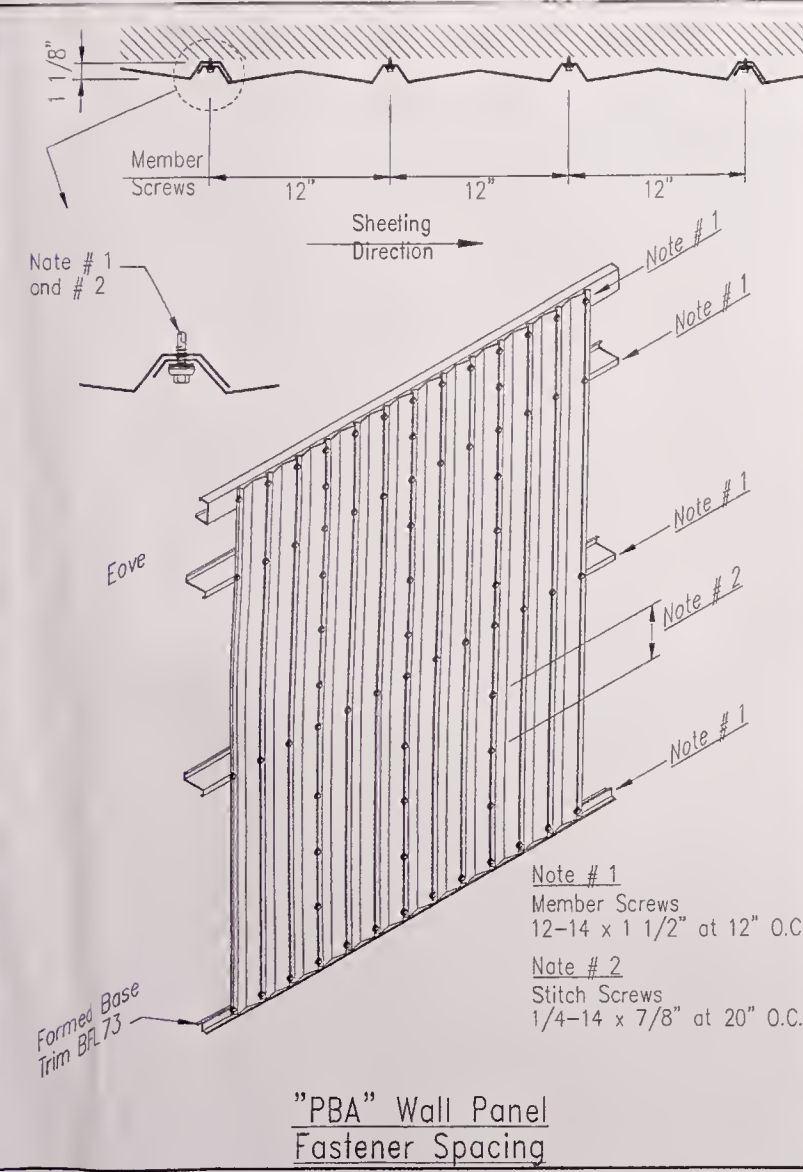


PBA Panel Outside Corner Trim



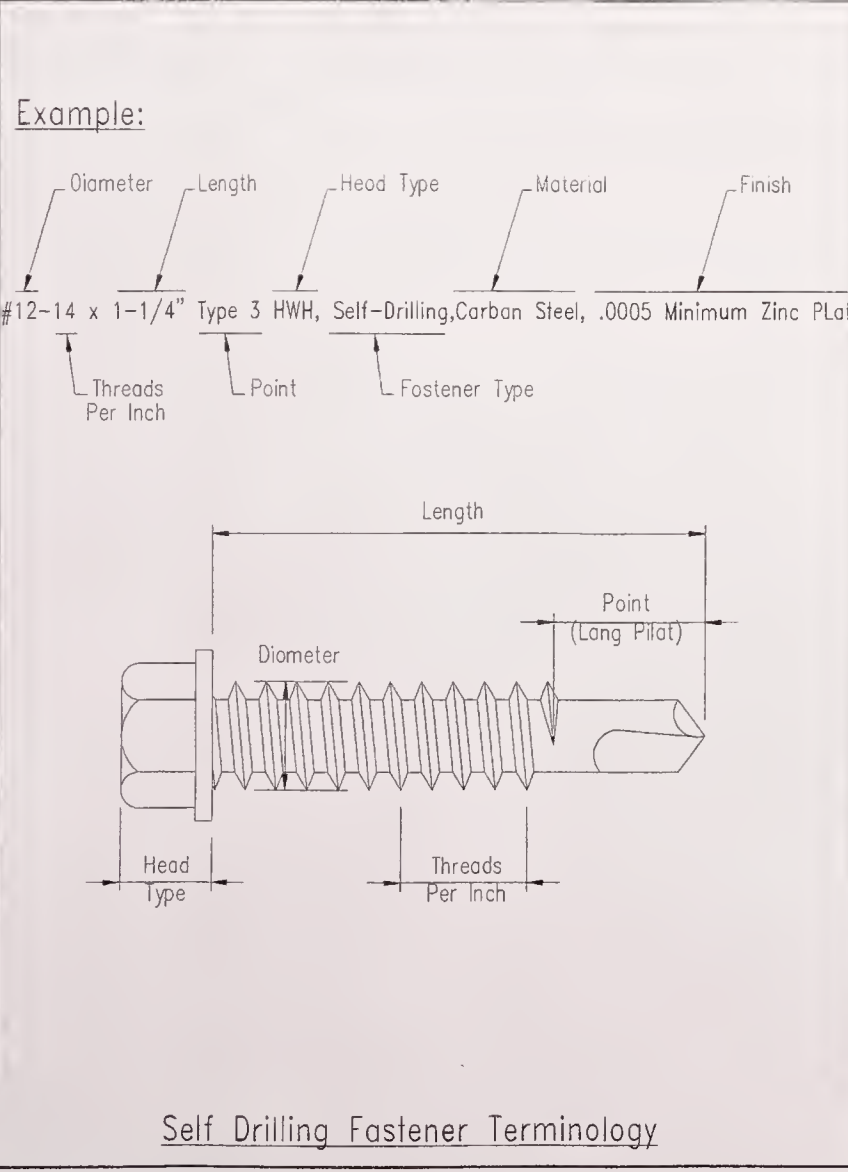
Framed Opening Framing Details (Welded Clips - No Liner)

NS0006U



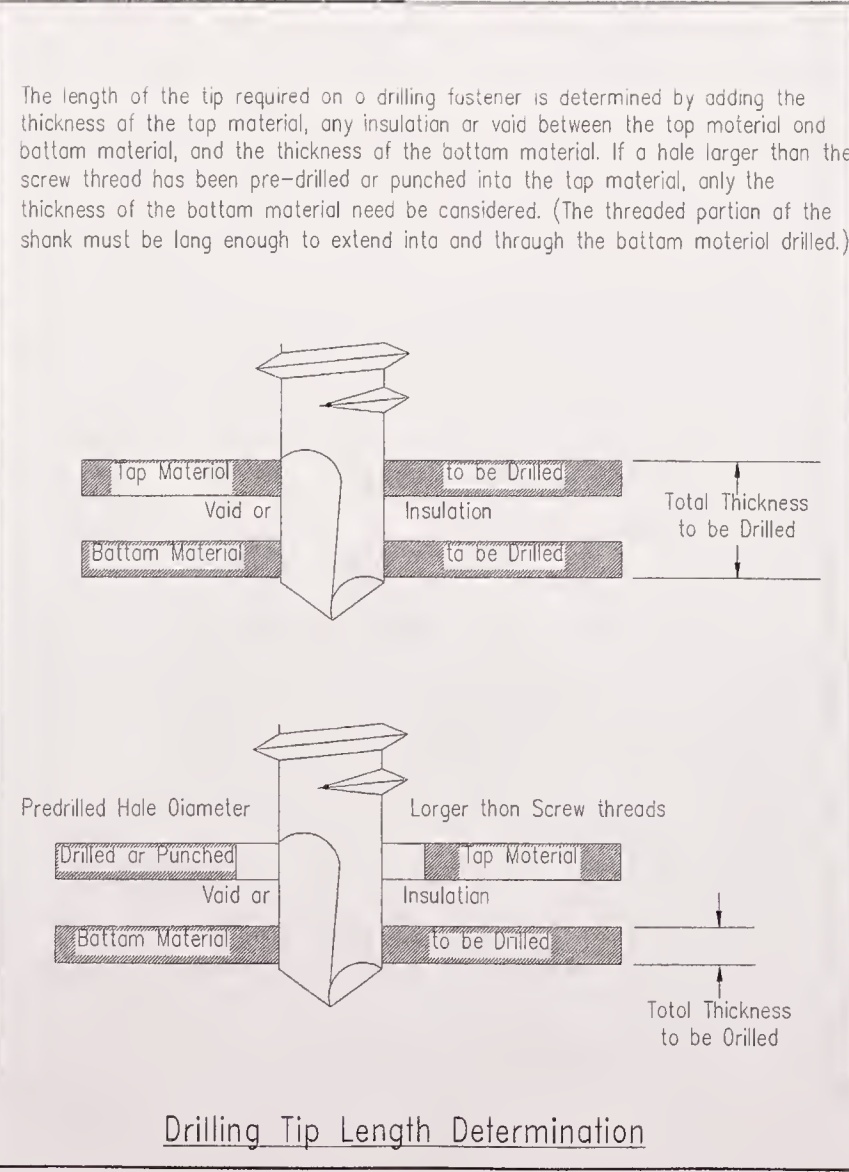
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NS0006G



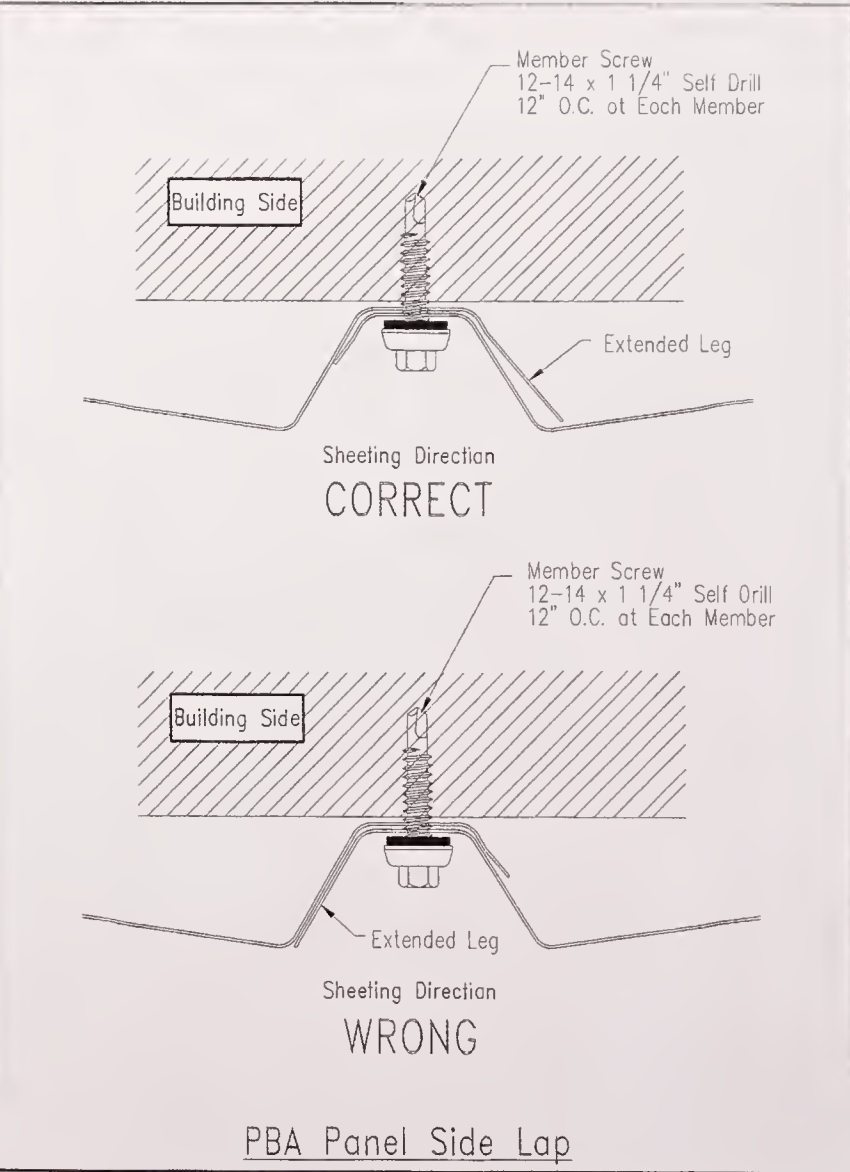
NS0007

NS0007A



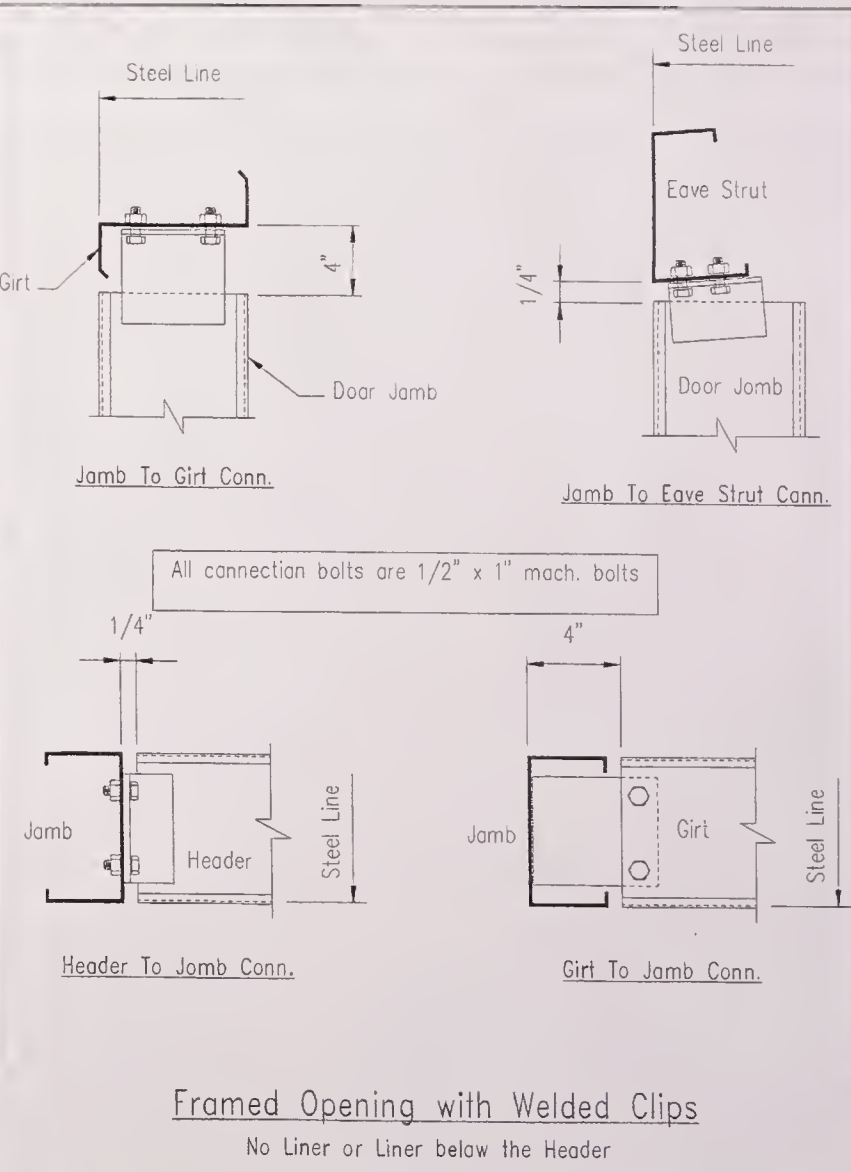
NS0007B

NS0014



NS0016

NS0017



NS0017A

REVISIONS					Standard Details				
NO.	DATE	DESCRIPTION	BY	CK'D	Customer: TRINITY CONTRACTING, INC. End User: PREMIUM MOLDING Location: LATROBE, PA. Det. By: Chk By: Date: 01.30.05 Scale: N.T.S. Building ID: Job Number: 2705-221276 Sheet Number: S-1 OF 4 Issue: 0				
A	01.30.05	FOR APPROVAL							
C	6/02/05	FOR CONSTRUCTION							